



SEQUENCE LISTING

Ptashne, et al.,

<120> Transcriptional Activation System, Activators, and Uses
Therefor

<130> 0342941-0065

<140> 09-943,944

<141> 2001-08-31

<160> 238

<170> PatentIn Ver. 2.1

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<211> 6

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Pro Leu Pro Pro Phe Leu

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5

<210> 119

<211> 18

<212> DNA

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<223> Description of Artificial Sequence:Random nucleotide sequences.

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ctccccacca tgcccctc

18

<210> 120

<211> 6

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<223> Description of Artificial Sequence:Random peptide sequences.

<400> 120

Leu Phe Leu Pro Pro Thr

1

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<210> 121

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Leu Phe Leu Pro Pro Thr
1 5

<210> 123
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nucleotide sequences.

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accgccgaat tccccctc

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Thr Ala Glu Phe Pro Leu
1 5

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nucleotide sequences.

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accgatttcc ttctgctg 18

<210> 126
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sequences.

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Thr Asp Phe Leu Leu Leu
1 5

<210> 127
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nucleotide sequences.

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ggagaatatt tccccttc 18

<210> 128
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Gly Glu Tyr Phe Pro Phe
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<210> 129

<211> 18

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18

<210> 130

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Random peptide sequences.

<400> 130

Phe Ile Asp Pro Pro Leu
1 5

<210> 131

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Random nucleotide sequences.

<400> 131

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18

<210> 132

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Random peptide
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<400> 132

Leu Ile Pro Tyr Ser Leu

1

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<210> 133

<211> 18

<212> DNA

<213> Artificial Sequence

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nucleotide sequences.

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<210> 134

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<223> Description of Artificial Sequence:Random peptide
sequences.

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Gln Tyr Asp Leu Phe Asp

1

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<210> 135

<211> 18

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:Random
nucleotide sequences.

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18

<210> 136
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Leu Pro Pro Pro Trp Leu
1 5

<210> 137
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<220>
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nucleotide sequences.

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18

<210> 138
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<220>
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sequences.

<400> 138
Val Trp Pro Pro Ala Val
1 5

<210> 139
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<212> DNA
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<220>
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nucleotide sequences.

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ccaacaaact cctactga

18

<210> 140
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Pro Thr Asn Phe Tyr
1 5

<210> 141
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nucleotide sequences.

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18

<210> 142
<211> 6
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Leu Ile Pro Tyr Phe Leu
1 5

<210> 143

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Random nucleotide sequences.

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18

<210> 144

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<220>

<223> Description of Artificial Sequence:Random peptide sequences.

<400> 144

Ile Cys Glu Ser Phe Phe
1 5

<210> 145

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Random nucleotide sequences.

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gcggaccctg ggctactc

18

<210> 146
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<223> Description of Artificial Sequence:Random peptide sequences.

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Ala Asp Pro Trp Leu Leu
1 5

<210> 147
<211> 18
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<220>

<223> Description of Artificial Sequence:Random nucleotide sequences.

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18

<210> 148
<211> 6
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<223> Description of Artificial Sequence:Random peptide sequences.

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Ala Gln Tyr Pro Phe Phe
1 5

<210> 149
<211> 18
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<220>

<223> Description of Artificial Sequence:Random

nucleotide sequences.

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18

<210> 150

<211> 6

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<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Random peptide
sequences.

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Pro Pro Ser Phe Phe Gly

1

5

<210> 151

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Random
nucleotide sequences.

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18

<210> 152

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<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Random peptide
sequences.

<400> 152

Pro Ser Ser Leu Pro Phe

1

5

<210> 153

<211> 18
<212> DNA
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<220>
<223> Description of Artificial Sequence:Random
nucleotide sequences.

<400> 153
gaccacccat ggtacctt

18

<210> 154
<211> 6
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<213> Artificial Sequence

<220>
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sequences.

<400> 154
Asp Pro Pro Trp Tyr Leu
1 5

<210> 155
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Random
nucleotide sequences.

<400> 155
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18

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<220>
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sequences.

<400> 156

Leu Tyr

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<210> 157

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Random
nucleotide sequences.

<400> 157

cctatccccg gtttcact

18

<210> 158

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Random peptide
sequences.

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Pro Ile Pro Gly Phe Thr

1

5

<210> 159

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Random
nucleotide sequences.

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18

<210> 160

<211> 6

<212> PRT

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<220>

<223> Description of Artificial Sequence:Random peptide sequences.

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Phe Asp Pro Phe Gly Ile
1 5

<210> 161

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Random nucleotide sequences.

<400> 161

ccccccagtg tgaacctc

18

<210> 162

<211> 6

<212> PRT

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<220>

<223> Description of Artificial Sequence:Random peptide sequences.

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Pro Pro Ser Val His Leu
1 5

<210> 163

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Random nucleotide sequences.

<400> 163

ccagacaacg tcctaccg

18

<210> 164

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Random peptide
sequences.

<400> 164

Pro Asp Asn Val Leu Pro

1

5

<210> 165

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Random peptide
sequences.

<400> 165

Lys Ala Leu Leu Thr Gly Leu Phe Val Gln Asp

1

5

10

<210> 166

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Random
nucleotide sequences.

<400> 166

taccttttac caacctgtat acct

24

<210> 167

<211> 8

<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Random peptide
sequences.

<400> 167
Tyr Leu Leu Pro Thr Cys Ile Pro
1 5

<210> 168
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Random
nucleotide sequences.

<400> 168
ctacaagtcc acaacagcag atag 24

<210> 169
<211> 7
<212> PRT
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<220>
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sequences.

<400> 169
Leu Gln Val His Asn Ser Thr
1 5

<210> 170
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
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nucleotide sequences.

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gttcttgact tcaccccttt cctc 24

<210> 171
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<400> 171
 Val Leu Asp Phe Thr Pro Phe Leu
 1 5

<210> 172
 <211> 24
 <212> DNA
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<220>
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 nucleotide sequences.

<400> 172
 ccccttacct accccctcgc cgga

24

<210> 173
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<220>
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<400> 173
 Pro Leu Thr Tyr Pro Leu Ala Gly
 1 5

<210> 174
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 <212> DNA
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<220>

<223> Description of Artificial Sequence:Random
nucleotide sequences.

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ctcctcgctt tttagagat accg

24

<210> 175

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Random peptide
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Leu Leu Ala Phe Tyr Glu Ile Pro

1

5

<210> 176

<211> 24

<212> DNA

<213> Artificial Sequence

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nucleotide sequences.

<400> 176

ccccctgaca cctacatctt ctta

24

<210> 177

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Random peptide
sequences.

<400> 177

Pro Pro Asp Thr Tyr Ile Phe Phe

1

5

<210> 178
<211> 24
<212> DNA
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<220>
<223> Description of Artificial Sequence:Random
nucleotide sequences.

<400> 178
caactcaact acccactcgc cata

24

<210> 179
<211> 8
<212> PRT
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<220>
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sequences.

<400> 179
Gln Leu Asn Tyr Pro Leu Ala Ile
1 5

<210> 180
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Random
nucleotide sequences.

<400> 180
ctcgtactac cccagccgca actc

24

<210> 181
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<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Random peptide

sequences.

<400> 181

Leu Val Leu Pro Gln Pro Gln Leu

1

5

<210> 182

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Random
nucleotide sequences.

<400> 182

ccttggtacc ctacgccgta tctg

24

<210> 183

<211> 8

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence:Random peptide
sequences.

<400> 183

Pro Trp Tyr Pro Thr Pro Tyr Leu

1

5

<210> 184

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Random
nucleotide sequences.

<400> 184

tggctccgat cgttcagccc gtatctg

27

<210> 185

<211> 8
<212> PRT
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sequences.

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Trp Leu Arg Ser Phe Ser Val Pro
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<210> 186
<211> 24
<212> DNA
<213> Artificial Sequence

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<223> Description of Artificial Sequence:Random
nucleotide sequences.

<400> 186
cttgaaccat cactatatat gata

24

<210> 187
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Random peptide
sequences.

<400> 187
Leu Glu Pro Ser Leu Tyr Met Ile
1 5

<210> 188
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Random
nucleotide sequences.

<400> 188
tgcattctgt cccaccacgc tcct

24

<210> 189
<211> 8
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<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Random peptide
sequences.

<400> 189
Cys Ile Leu Ser His His Ala Pro
1 5

<210> 190
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Random
nucleotide sequences.

<400> 190
gacctcacat gctgtttttg cctc

24

<210> 191
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
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sequences.

<400> 191
Asp Leu Thr Cys Cys Phe Cys Leu
1 5

<210> 192
<211> 24

<212> DNA
<213> Artificial Sequence

<220>
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nucleotide sequences.

<400> 192
ccgtttattg gcggccctta cgca

24

<210> 193
<211> 8
<212> PRT
<213> Artificial Sequence

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sequences.

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Pro Phe Ile Gly Gly Pro Tyr Ala
1 5

<210> 194
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
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nucleotide sequences.

<400> 194
tacctactac ctttccttcc gtac

24

<210> 195
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
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sequences.

<400> 195

Tyr Leu Leu Pro Phe Leu Pro Tyr
1 5

<210> 196

<211> 24

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:Random
nucleotide sequences.

<400> 196

tacccttggt ttccagtccc cttc

24

<210> 197

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Random peptide
sequences.

<400> 197

Tyr Pro Trp Phe Pro Val Pro Phe
1 5

<210> 198

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Random
nucleotide sequences.

<400> 198

tatttactac ctctcctctc cact

24

<210> 199

<211> 8

<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Random peptide
sequences.

<400> 199
Tyr Phe Leu Pro Leu Leu Ser Thr
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<210> 200
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Random
nucleotide sequences.

<400> 200
ctctccattc aaccctattt tttt 24

<210> 201
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Random peptide
sequences.

<400> 201
Leu Ser Ile Gln Pro Tyr Phe Phe
1 5

<210> 202
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Random
nucleotide sequences.

<400> 202
gccctattct acctctctta aaag 24

<210> 203
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 <212> PRT
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 Ala Leu Phe Tyr Leu Leu
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<210> 204
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24

<210> 205
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<220>
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<400> 205
Pro Trp Pro Tyr Tyr Phe Pro Ile
1 5

<210> 206
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Random
nucleotide sequences.

<400> 206
ccgatttggc aatataccat tttc

24

<210> 207
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Random peptide
sequences.

<400> 207
Pro Ile Trp Gln Tyr Thr Ile Phe
1 5

<210> 208
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Random
nucleotide sequences.

<400> 208
ttatcccca ccttttggc attc

24

<210> 209
<211> 8
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Random peptide sequences.

<400> 209

Phe Ser Pro Thr Phe Trp Ala Phe
1 5

<210> 210

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Random nucleotide sequences.

<400> 210

gacccccccct acgcctatac tctg

24

<210> 211

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Random peptide sequences.

<400> 211

Phe Pro Pro Tyr Ala Tyr Thr Leu
1 5

<210> 212

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Random nucleotide sequences.

<400> 212

cctgcactcc tgtttccatt catc

24

<210> 213

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Random peptide sequences.

<400> 213

Pro Ala Leu Leu Phe Pro Phe Ile

1

5

<210> 214

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Random nucleotide sequences.

<400> 214

ttcacctaag ctctcccctt cccc

24

<210> 215

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Random peptide sequences.

<400> 215

Phe Thr Tyr Ala Leu Pro Phe Pro

1

5

<210> 216

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Random
nucleotide sequences.

<400> 216

ctcttaccac tgcctctctt cctc

24

<210> 217

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Random peptide
sequences.

<400> 217

Leu Phe Pro Leu Pro Leu Phe Leu

1

5

<210> 218

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Random
nucleotide sequences.

<400> 218

ctattcccct ggacatacca actt

24

<210> 219

<211> 8

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence:Random peptide
sequences.

<400> 219

Leu Phe Pro Trp Thr Tyr Gln Leu

1

5

<210> 220
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<212> DNA
<213> Artificial Sequence

<220>
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nucleotide sequences.

<400> 220
cttattatga actggcctac atat

24

<210> 221
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<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Random peptide
sequences.

<400> 221
Leu Thr Met Asn Trp Pro Thr Tyr
1 5

<210> 222
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<212> DNA
<213> Artificial Sequence

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<221> misc_feature
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<220>
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nucleotide sequences.

<400> 222
tatattttcn cgctgagctt atca

24

<210> 223

<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Random peptide
sequences.

<400> 223
Tyr Ile Phe Leu Ser Phe Ser
1 5

<210> 224
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Random
nucleotide sequences.

<400> 224
ctaacacccc tcccctcatg gcta

24

<210> 225
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Random peptide
sequences.

<400> 225
Leu Thr Pro Leu Pro Ser Trp Leu
1 5

<210> 226
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Random peptide
sequences.

<400> 226

Leu Ile Cys Tyr Pro Leu Pro Thr

1

5

<210> 227

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Random peptide
sequences.

<400> 227

Ile Pro Leu Tyr Leu Thr Cys Pro

1

5

<210> 228

<211> 10

<212> PRT

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<220>

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Ala Leu Leu Thr Gly Leu Phe Val Gln Asp

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Ala Leu Leu Thr Gly Leu Phe Val Gln

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Ala Leu Leu Thr Gly Leu Phe Ala Gln Asp
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Ala Leu Leu Thr Gly Leu Ala Val Gln Asp
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<400> 238

Leu Phe Val Gln Asp Tyr Leu Leu Pro Thr Cys Ile Pro
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